Wireless IEEE 802.11g 54Mbps Four Port LAN Router

ENHWI-G3

Product Description

The Encore ENHWI-G3 Wireless-G Router offers a simple, secure method to add wireless to your network at a great value. It delivers a wireless speed up to 54Mbps, which is almost five times faster than 802.11b standard. ENHWI-G3 is backward compatible with 802.11b standard. In addition, ENHWI-G3 features 4 Fast Ethernet (10/100Mbps) ports to support a wired network. For your protection and convenience, ENHWI-G3 comes with strong security features and user-friendly configuration utility.

The ENHWI-G3 is an ideal router for your small office or home. Use this router to surf the Internet, play online games or share office resources. You can achieve significant cost reduction by sharing just one Internet connection among several computers. Getting amazing multimedia applications across your local area network is easier than ever with Encore Wireless-G Router.

The ENHWI-G3 is an essential component for your high-speed wired and wireless network. This router features a built-in firewall and WPA and WEP encryption to prevent hacking and intrusion. In addition, ENHWI-G3 supports virtual server and virtual pc mapping for extra protection. You can easily configure and install ENHWI-G3 using the web-based configuration utility.

Product Features

- Provide Ethernet to Wireless LAN bridge fully compatible on Ethernet side and fully IEEE 802.3 compatible on the Ethernet side and fully interoperable with IEEE 802.11b & IEEE 802.11g compliant equipment
- 4 x 10/100Mbps Fast Ethernet port for LAN with Auto MDI-X function
- 1 x 10/100Mbps WAN port for ADSL / Cable Modem with Auto MDI-X function
- IEEE 802.11b/g Infrastructure operating modes
- Dynamic data rate scaling at 11, 5.5, 2 and 1Mbps for 802.11b mode
- Dynamic data rate scaling at 54, 48, 36, 24, 18, 12 and 6Mbps for 802.11g mode
- Allow auto fallback data rate for optimized reliability, throughput and transmission range
- Supports wireless data encryption with 64/128-bit WEP standard for security
- Supports enhance security for WPA-PSK, WPA2-PSK, WPA and WPA2
- Web-based configuration tools and management via WEB Browser
- Supports PPPoE/PPTP/L2TP protocol for ADSL
- Supports NAT for share 1 IP address to all LAN user
- Supports DHCP Server / Client
- Supports Firewall protection, Virtual server mapping, Special application seeting
- Supports UPnP
- Supports statistics information

Product Specifications

Standards
- ✓ IEEE 802.11b Wireless LAN
- ✓ IEEE 802.11g Wireless LAN
- ✓ IEEE 802.3/IEEE 802.3u Fast Ethernet
- ✓ ANSI/IEEE 802.3 Auto negotiation

Radio Technology
- ✓ Direct Sequence Spread Spectrum (DSSS)
- ✓ Orthogonal Frequency Division Multiplexing (OFDM)

Transmission Rate
- ✓ 802.11b: 1, 2, 5.5, 11Mbps (auto sense)
- ✓ 802.11g: 6, 12, 24, 36, 48,54Mbps (auto sense)

Receiver Sensitivity
- ✓ 54Mbps: Typical -70 @ 10% PER (Packet Error Rate)
- ✓ 11Mbps: Typical -85 @ 8% PER (Packet Error Rate)

Wireless LAN Frequency Range
- ✓ 2412 ~ 2484 MHz ISM band (channels 1 ~ 14)

Modulation Schemes
- ✓ DBPSK/DQPSK/CCK/OFDM

Media Access Protocol
- ✓ CSMA/CA with ACK

Transmit Power
- ✓ 802.11b: 15±2dBm typically
- ✓ 802.11g: 13±2dBm typically

Antenna Type
- ✓ Dual diversity antennas with one internal printed antenna and one external 2 dB Gain dipole antenna

Protocol
- ✓ TCP/IP

Interface
- ✓ LAN: 4 x 10/100Mbps Auto-MDIX Ethernet ports
- ✓ WAN: 1 x 10/100Mbps Auto-MDIX Ethernet port

Supported Network Protocols
- ✓ TCP/IP
- ✓ NAT
- ✓ PPPoE/PPTP/L2TP
- ✓ HTTP
- ✓ DHCP Server/Client

Network Management
- ✓ Web base configuration utility via Ethernet

Channel
- ✓ USA: Channel 1 ~ 11
- ✓ Europe: Channel 1 ~ 13
- ✓ Japan: Channel 1 ~ 14

Security
- ✓ 64/128-bits WEP Encryption
- ✓ WPA, WPA2
- ✓ WPA-PSK, WPA2-PSK
- ✓ MAC address filtering
- ✓ Protocol filtering
- ✓ Domain filtering

Range Coverage
- ✓ Indoor: Up to 30 meters (depends on environment)
- ✓ Outdoor: Up to 100 meters (depends on environment)

Diagnostic LEDs
- ✓ Power,
- ✓ System
- ✓ WAN: Link.ACT
- ✓ LAN: Link/ACT
- ✓ WLAN: ACT

Power Adapter
- ✓ 7.5V / 1A

Operation Temperature
- ✓ 0 ~ 40 ^{o}C

Storage Temperature
- ✓ -10 ~ 70 ^{o}C

Humidity
- ✓ 10% ~ 95% RH, no condensation

Certifications
- ✓ FCC Part 15.247 for US
- ✓ ETS 300 328 for Europe

Dimensions (W x H x D)
- ✓ 147 x 115 x 35 mm (without antenna)